

# Figure 1

Benfield et al.  
AUS920010427US1  
Dynamic Intelligent Discovery Applied  
to Topographic Networks  
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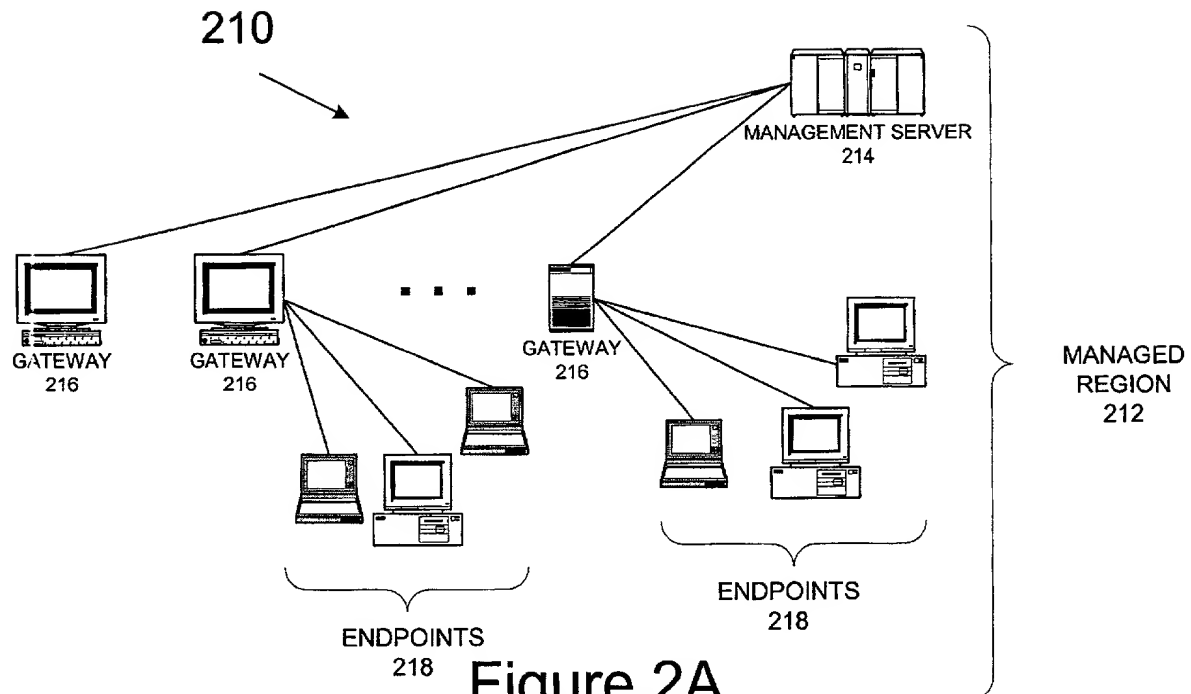
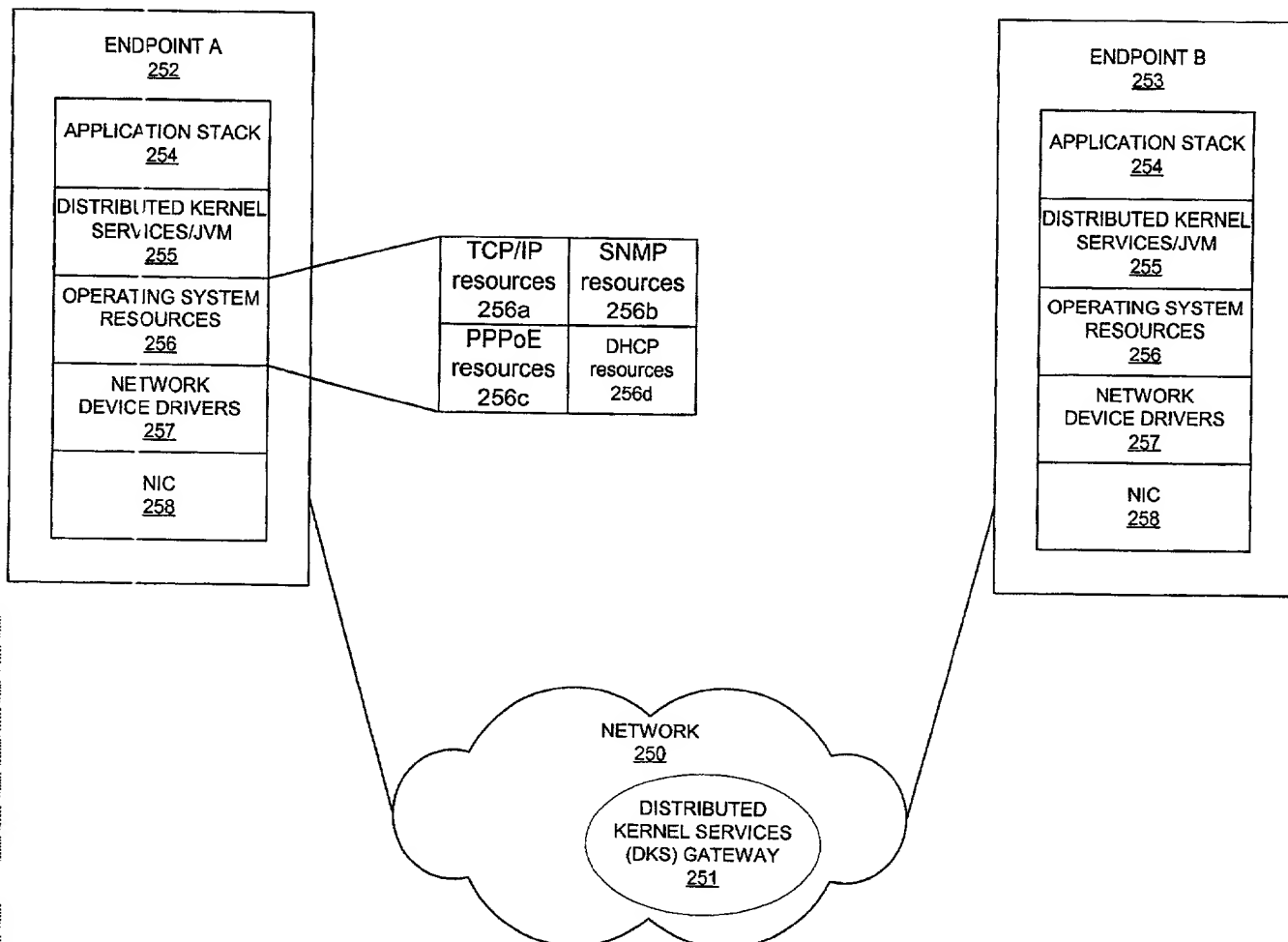


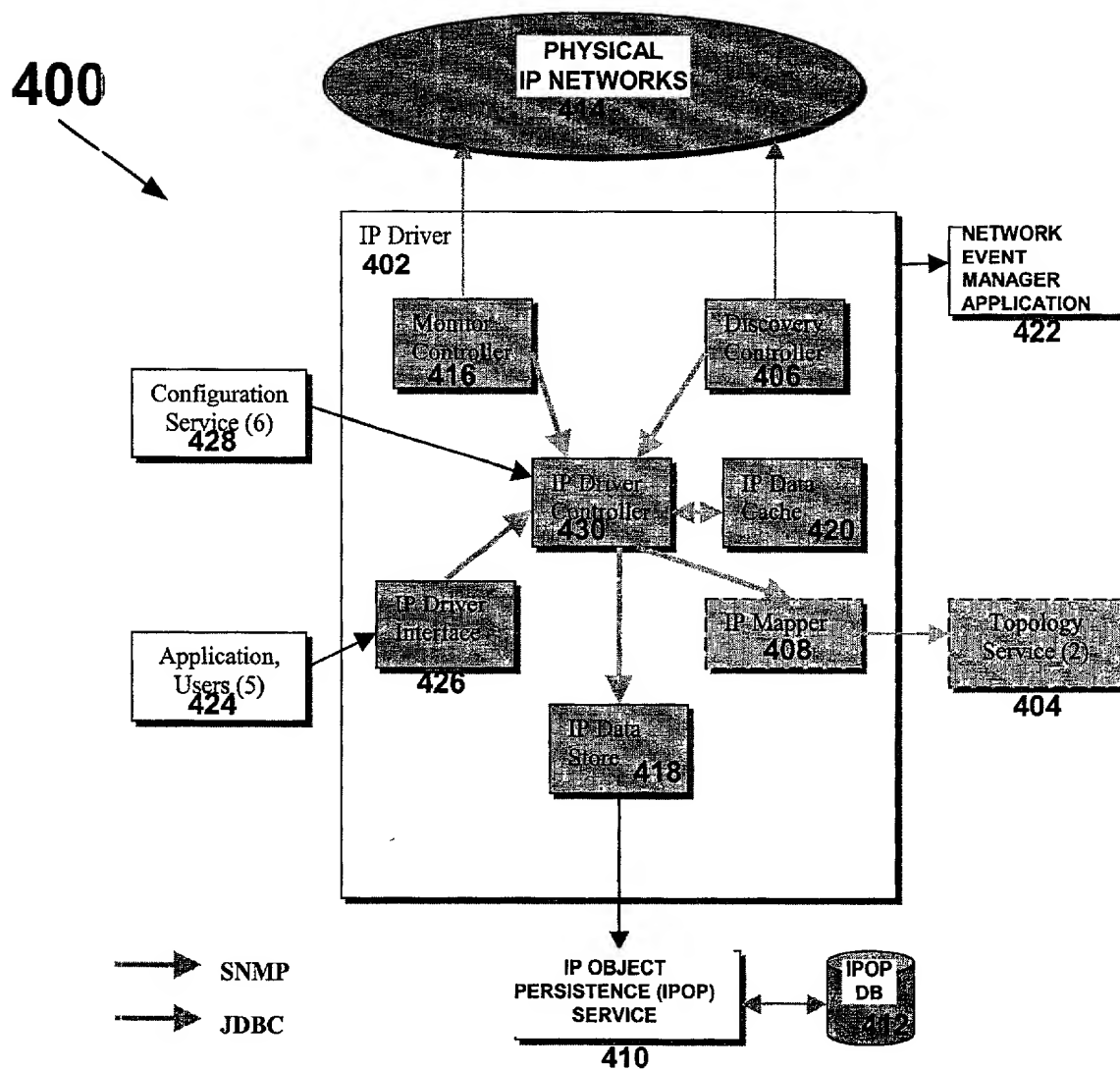
Figure 2A

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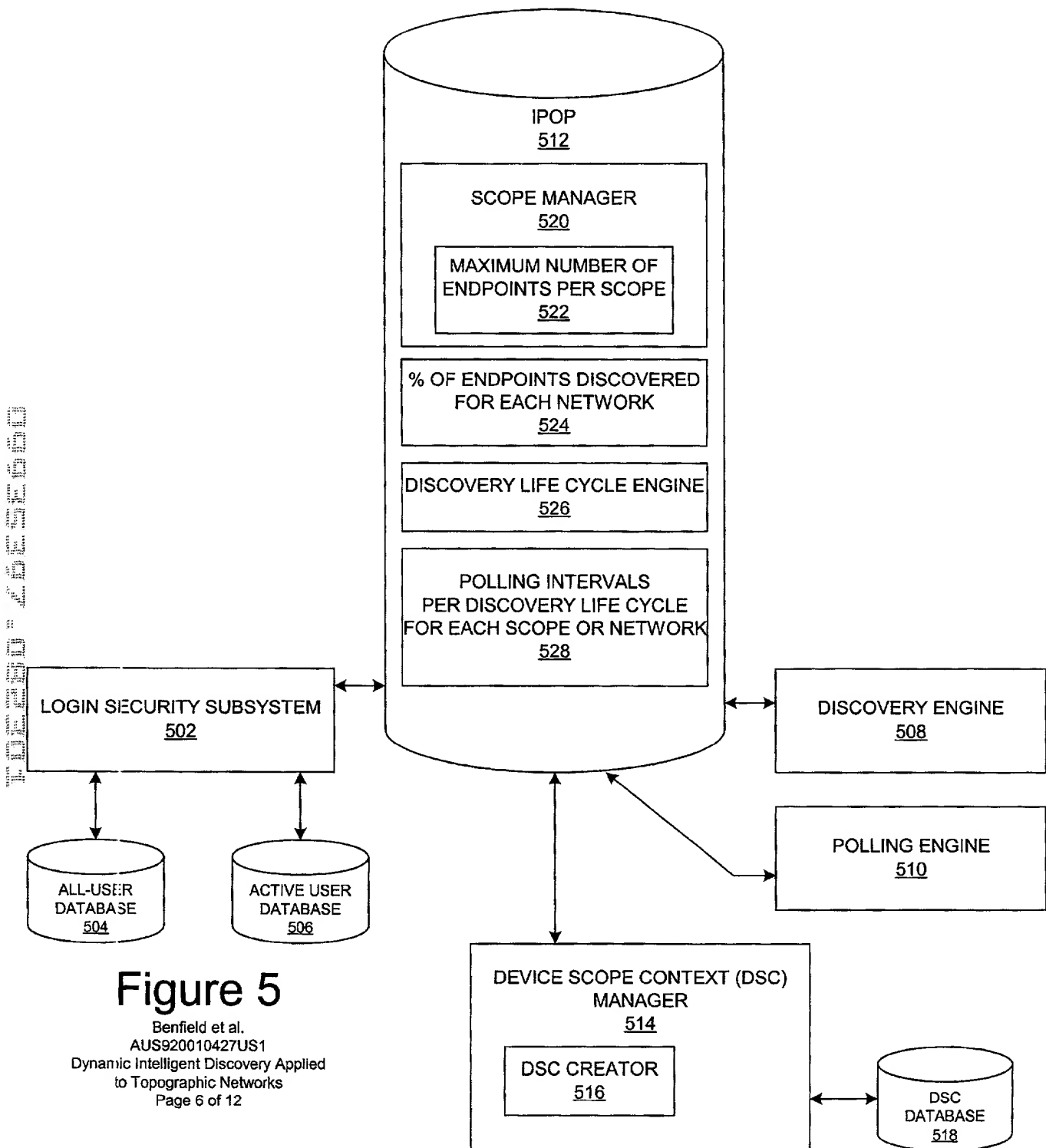


**Figure 2B**



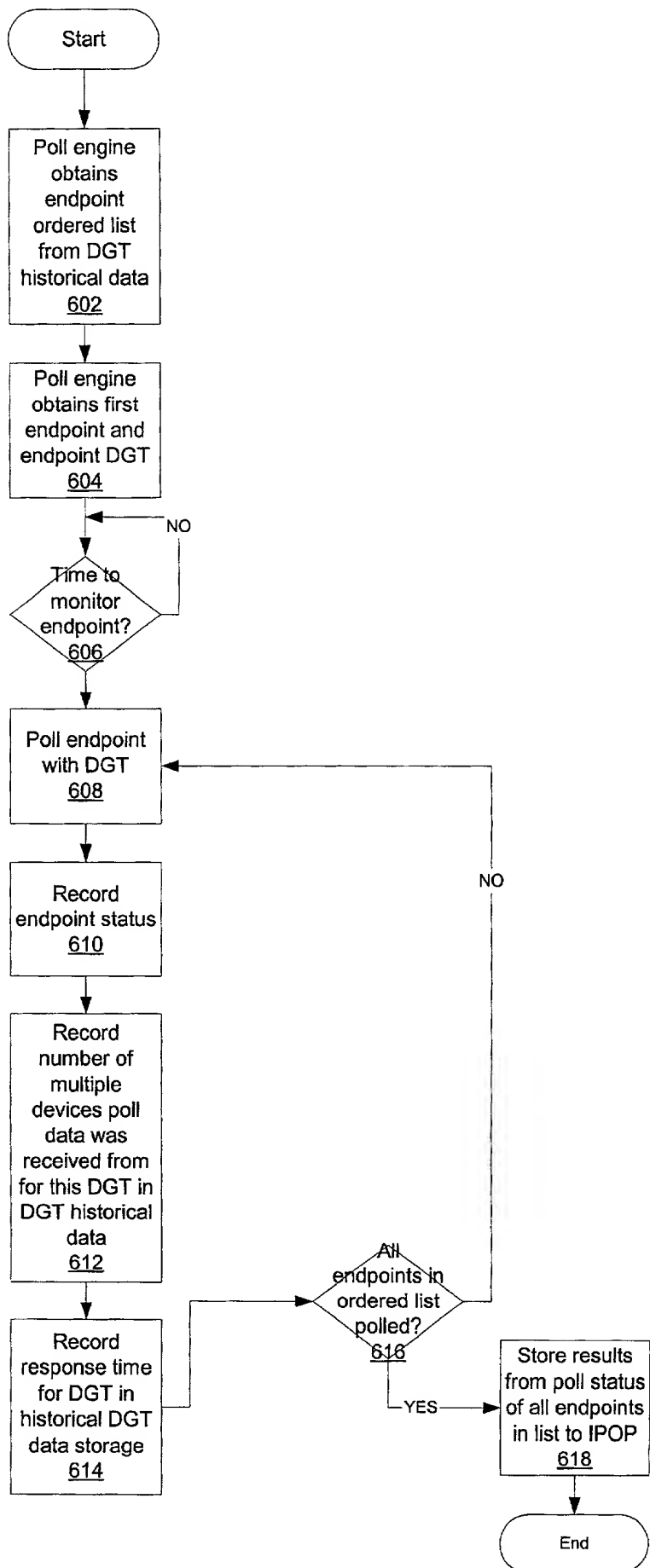


**Figure 4**



**Figure 5**

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**Figure 6**

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Network Management Application

700

ADAPTIVE DATA GATHERING

DATA GATHERING ORDER

704

SNMP all Device connected to Network

SNMP routers only

Ping Spread

PPPoE

705

☒

SNMP Retries allowed

5

706

707

☐

IP Ping retries allowed

2

708

709

☐

PPPoE retries allowed

0

710

711

☐

Switch to IP ring when number of devices in SNMP tables is less than

5

712

713

☐

Switch to IP ring when number of devices in network left to discover is

2

714

715

☐

Switch to IP ring when time of single SNMP query exceeds

0

ms

716

717

☐

Enable mixture of SNMP and IP ring queries

702

SET

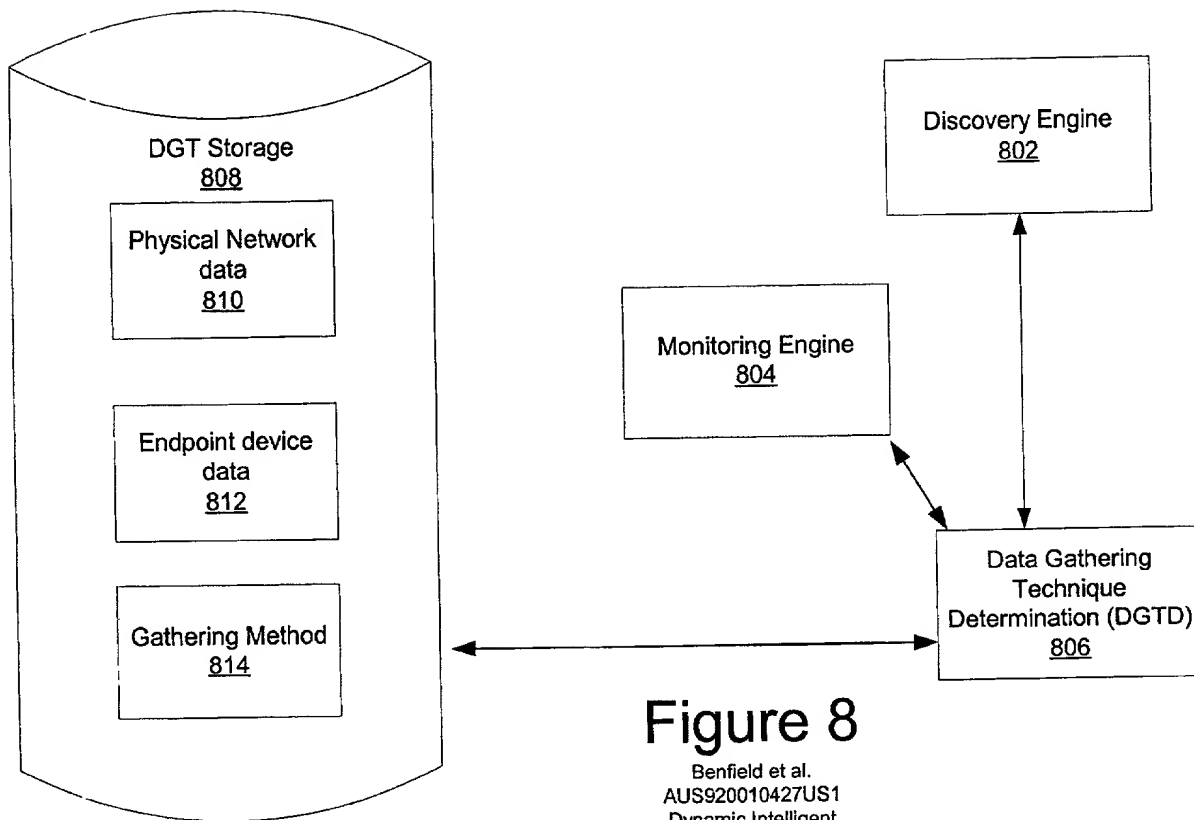
CLEAR

718

720

Figure 7





**Figure 8**

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Figure 9B

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Dynamic Intelligent Discovery  
Applied to Topographic Networks  
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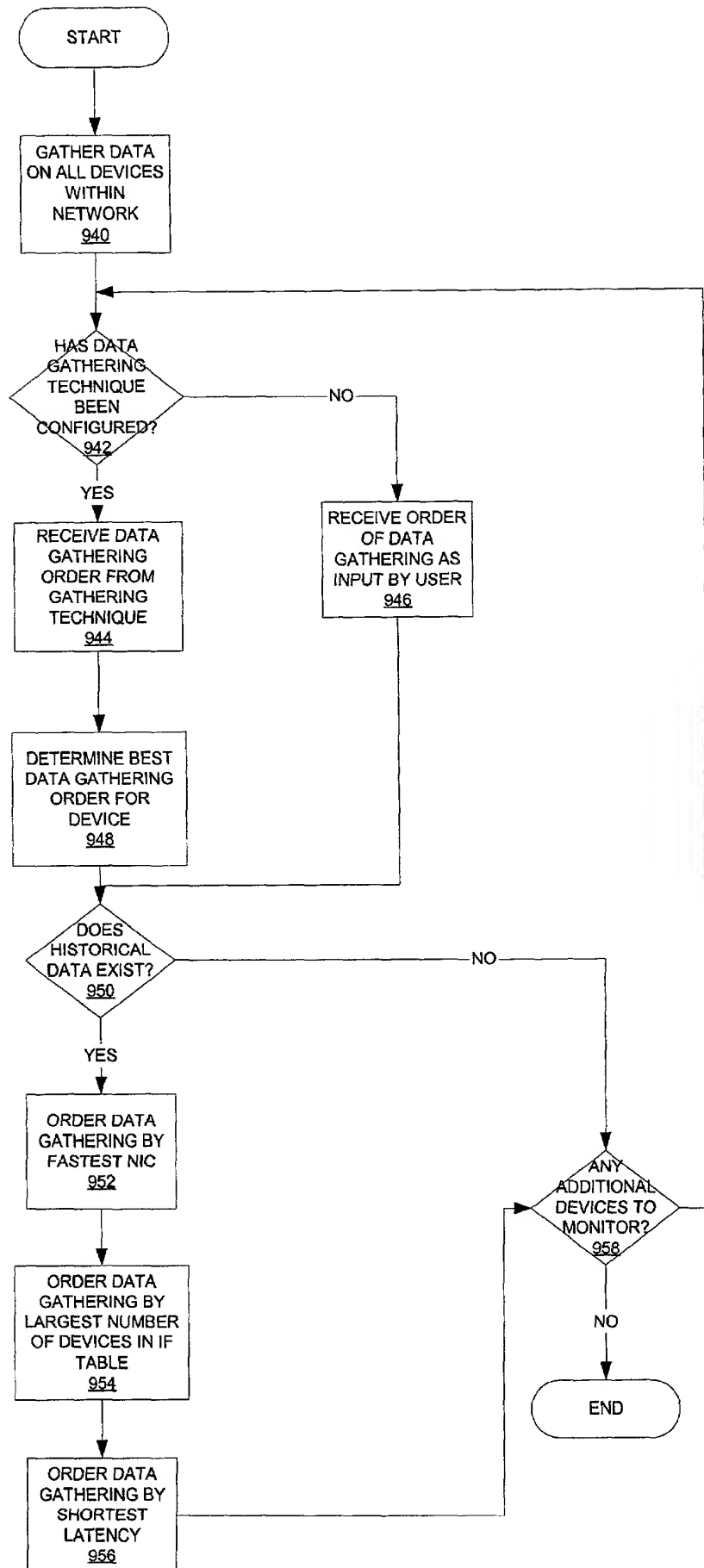


FIG. 9C

6

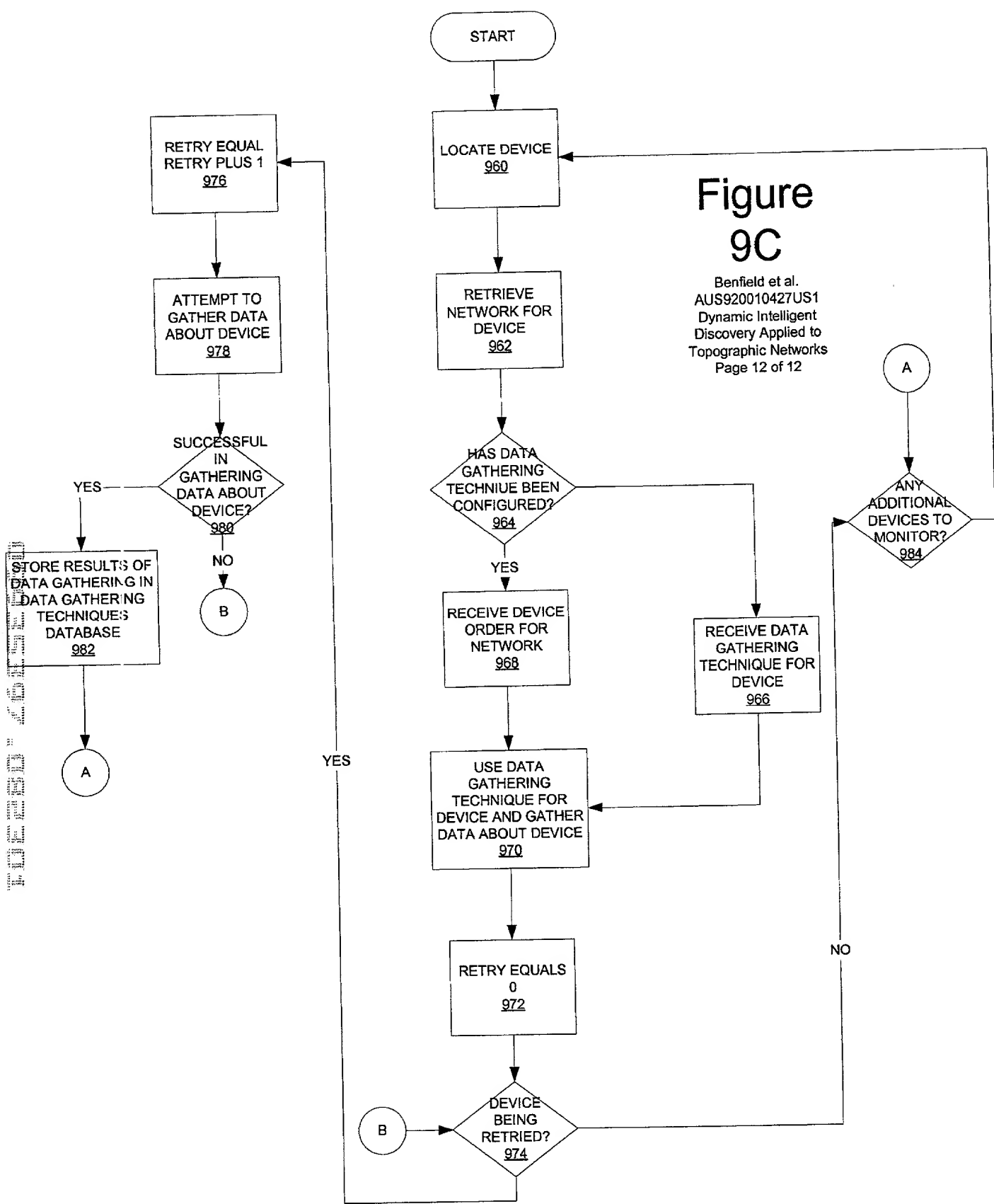


Figure 9C  
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